



**ShurFlot 944**

**MATERIAL SAFETY DATA SHEET**

Preparation date: July 15, 2011  
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**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MSDS REVISION #: 007

PRODUCT NAME: ShurFlot 944  
USE: Flotation  
DISTRIBUTED BY: Freedom Industries, Inc.  
1015 Barlow Drive  
Charleston, WV 25311  
PHONE NUMBERS: Business - (304) 720-8065  
ChemTrec - (800) 424-9300

**SECTION 2 - HAZARDS IDENTIFICATION**

\*\*\*\*\* **EMERGENCY OVERVIEW** \*\*\*\*\*

**Caution!** Product is a clear, dark-yellow or brown liquid with a strong odor. The material can cause skin and eye irritation. Vapors, especially upon heating, can cause irritation to eyes and the respiratory tract.

Avoid contact with skin, eyes and clothing. Wear protective goggles and gloves when handling this product. Wash thoroughly after handling.

\*\*\*\*\*

This product is considered hazardous under the OSHA HazCom Standard (29 CFR 1910.1200)

**POTENTIAL HEALTH EFFECTS**

**LIKELY ROUTES OF EXPOSURE:**

Eye and skin contact and inhalation

**EYES:**

Can cause irritation, which may be severe. Vapors, especially upon heating may cause irritation.

**SKIN:**

Can cause defatting, drying, dermatitis and irritation, which may be severe upon prolonged or repeated contact. Persons with pre-existing skin conditions are particularly susceptible.

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Page 2 of 6**SECTION 2 - HAZARDS IDENTIFICATION (continued)****INGESTION (swallowing):**

Harmful if swallowed. May cause nausea and vomiting.

**INHALATION (breathing):**

Vapor, especially upon heating, may cause irritation of the respiratory tract.

**CHRONIC EFFECTS/CARCINOGENICITY:**

This product (or component) is not listed in IARC Monographs, the current NTP Report on Carcinogens or the ACGIH TLVs as a carcinogen or potential carcinogen. OSHA does not regulate it as a carcinogen.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>%</u>	<u>CAS#</u>
Blend of alcohols, glycol ethers and carboxylates	100	Proprietary

**SECTION 4 - FIRST AID MEASURES****EYE CONTACT:**

Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention.

**SKIN CONTACT:**

Immediately wash exposed area with soap and water. Remove contaminated clothing and launder before reuse. Leather shoes and clothing cannot be decontaminated.

**INGESTION (swallowing):**

If conscious, immediately give two large glasses of water. Call a physician. Never give anything by mouth to an unconscious person.

**INHALATION (breathing):**

If affected, move to fresh air. If breathing is difficult, contact a physician.

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This material is not easily ignited, but will burn if heated sufficiently. It meets the NFPA definition of a Class IIIB – combustible liquid.

**EXTINGUISHING MEDIA:**

Use water fog, alcohol foam, dry chemical or carbon dioxide.

**PROTECTION OF FIREFIGHTERS:**

Keep personnel removed from and upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece. Cool containers with water. Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid. Combustion products include carbon monoxide and carbon dioxide.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Persons not wearing protective equipment should be excluded from the area of the spill until clean up has been completed. Dike area of spill to prevent spreading and pump liquid to salvage tank. Absorb remaining liquid on vermiculite, floor absorbent or other absorbent material and shovel into containers.

**SECTION 7 - HANDLING AND STORAGE****HANDLING:**

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**STORAGE:**

Keep in closed or covered containers when not in use. Store in cool dry place with adequate ventilation.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES:**

None established for product or components.

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Page 4 of 6**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)****ENGINEERING CONTROLS:**

Provide sufficient ventilation to maintain exposure below level of overexposure.

**EYE / FACE PROTECTION:**

Chemical splash goggles in compliance with OSHA regulations are advised.

**SKIN PROTECTION:**

Wear protective gloves such as Neoprene or Buna-N and protective clothing.

**RESPIRATORY PROTECTION:**

Not required under normal conditions of use: however, a NIOSH/MSHA approved respirator with organic vapor cartridge is recommended where there is insufficient ventilation.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Clear, dark-yellow or brown  
liquid @ 68° F (20° C)**Odor:** Strong**Specific Gravity:** ~0.95 @ 77° F (25° C)**Evaporation Rate:** Slower  
(Ethyl Ether = 1)**Solubility in Water:** 2-10%**Initial Boiling Point:** >356° F (180° C)**Freezing Point:** ~32° F (0° C)**VOC (wt. %):** 1-3 (calculated)**Vapor Pressure:** >75%**Volatile %:** 100%**pH:** 10-12.4**Flash Point:** >235° F (113° C)**Upper Explosion Limit:** Unavailable**Lower Explosion Limit:** Unavailable**Autoignition Temperature:** Unavailable**SECTION 10 - STABILITY AND REACTIVITY****STABILITY (conditions to avoid):**

Stable under normal conditions of 70° F (21° C) and 14.7 psig (760 mm Hg).

**INCOMPATIBILITIES (materials to avoid):**

Avoid contact with strong oxidizing agents and strong acids

**DECOMPOSITION:**

Unavailable

**HAZARDOUS POLYMERIZATION:**

Not known to occur

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Acute oral LD<sub>50</sub> (rat) – greater than 825 mg/kg  
Dermal LD<sub>50</sub> (rat) – greater than 2000 mg/kg  
Skin sensitization (guinea pig) – none

**SECTION 12 - ECOLOGICAL INFORMATION**

There is no data available for the product; however, data for individual compounds in the product suggest that:

- Product is biodegradable with over 60% degradation in 28 days (OECD 301F)
- Bioconcentration potential for the product is low
- BOD is low
- Aquatic toxicity is low

This material, when released directly into the environment, is not expected to have a significant impact.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Incineration is the recommended disposal method for all chemical wastes. Material collected on absorbent material may be deposited in a landfill in accordance with all applicable local, state and federal regulations.

This product, if disposed of, is not considered a hazardous waste under current RCRA definitions.

**SECTION 14 - TRANSPORT INFORMATION**

Not regulated under current U.S. DOT, TDG (Canadian), ICAO (air) or IMO (water) transport regulations.



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**SECTION 15 - REGULATORY INFORMATION**

**TSCA INFORMATION:**

All components in this product are in compliance with TSCA Inventory requirements.

**CANADIAN INVENTORY:**

One or more of the components in this product are not listed on the DSL.

**SARA 313 INFORMATION:**

SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

Components present in this product at a level that could require reporting under the statute are: None

**SECTION 16 - OTHER INFORMATION**

**HAZARD RATING:**

HEALTH	2
FIRE	1
REACTIVITY	0
OTHER	-

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME

**HAZARD RATING METHOD: NFPA**

**REASON FOR REVISION:**

Added VOC information (Section 9) and DSL information (Section 15)

The product information contained herein is believed to be accurate as of the date of the Material Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with any other product), storage or disposal of the product, including any resultant personal injury or property damage.

**\*\*\*END OF REPORT\*\*\***

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